

# ROOFER

## First-year Apprentice Learning Plan

Please indicate in the appropriate course column the skills to be focused on in this 125-hour course.

Feel free to add skills specific to your work site.

Trade Skills and Tasks	RAP 15 125 hrs	RAP 25A 250 hrs	RAP 25B 375 hrs	RAP 25C 500 hrs	RAP 35A 625 hrs	RAP 35B 750 hrs	RAP 35C 875 hrs	RAP 35D 1000 hrs
	RAP 4224	RAP 5224	RAP 5225	RAP 5226	RAP 6224	RAP 6225	RAP 6226	RAP 6227
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Demonstrates safe working practices and techniques to ensure an injury-free work site								
Prepares a safe and labour-efficient job site – inspects roof surface and structure, cordons off and signs work area, raises ladders, spots the crane, locates and secures chute for re-roofing, protects exterior of building in work area, locates material on roof								
Removes existing roof – inspects underside of roof deck, installs interior protection, identifies and reports potentially hazardous conditions, removes existing roof flashings, plugs drains and vents, covers skylights and windows, cuts roof into sections, prepares existing roof for tie-in								
Prepares and repairs roof deck surfaces (old or new deck) – removes debris, cleans and dries deck, applies protective coating to corroded metal deck, repairs and primes damaged concrete decks, installs expansion and control joints, installs air seals, custom builds slopes or back slopes, primes concrete, drywall or wood decks								
Installs and repairs vapour barriers and insulation (flat or tapered) – adheres vapour barrier to concrete, steel or gypsum board; mechanically fastens vapour barrier to wood deck; loose lays vapour barriers to deck; perimeter seals vapour barrier								
Applies conventional, inverted built-up and modified roofing systems – fills mop buggy and mini-mops with hot asphalt; mops down roof plies; installs vents, drains, roof jacks and roof fixtures; strips in curbs and parapets; applies glaze or flood coats; installs walkways, separation sheets and filter blankets for inverted roofs, insulation for inverted roofs, drainage mat and levellers for inverted roofs, temporary night sea, ballast or protective surface, sheet metal flashing								
Applies single-ply sheet membrane roofing systems – cuts and fits single-ply membrane, seals side and end laps of membrane, installs walkways, provides temporary water seal, installs ballast or protective surface								
Applies shingles to new or existing building, including asphalt, fibreglass, metal or wood, SBS modified, slate and cement fibre shingles – installs starters and drip edges, eaves and gable protection, underlayments, valleys, saddles and back pan underlayments								
Applies tiles such as clay, cement, steel, fibreglass and cement fibre – installs ridge caps and/or hip caps or ridge vents, sheet metal flashing, snow rails and snow guards								
Applies metal roofing systems – interprets shop drawings, seals seams, overlaps/interlocks sheets, installs starter strip and pre-formed closures								
Identifies and corrects roof problems – identifies source or cause of problem on roof, identifies existing roof system, identifies proper repair method and material, repairs problem								

**Note:** These skills and tasks are taken directly from the *Apprenticeship and Industry Training Record Book* (Blue Book) as a general guideline of the training required for a first-year RAP student.

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Employer's Signature

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Student's Signature

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Off-campus Coordinator's Signature